**SAMSUNG**

# DVD HDD Recorder

# DVD-H40A

THIS APPLIANCE IS DISTRIBUTED BY

# User's Manual

**SAMSUNG**

ELECTRONICS

⚡ ⚠️
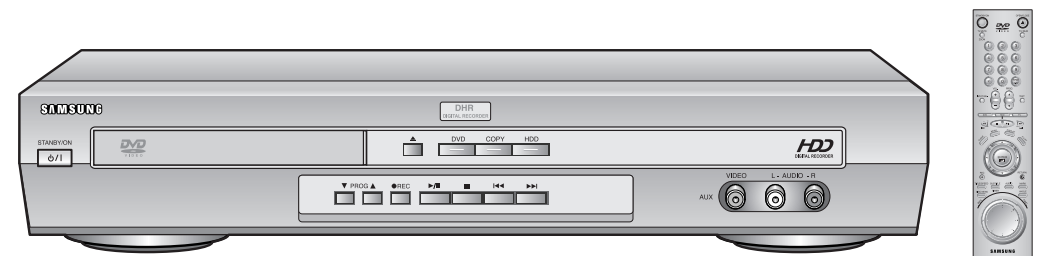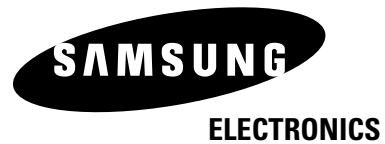
**CAUTION**
RISK OF ELECTRIC
SHOCK DO NOT OPEN

CAUTION. TO REDUCE THE RISK OF ELECTRIC
SHOCK, DO NOT REMOVE REAR COVER. NO
USER SERVICEABLE PARTS INSIDE. REFER TO
QUALIFIED SERVICE PERSONNEL.

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## IMPORTANT NOTE

The mains lead on this equipment is supplied with a mould plug
incorporating a fuse. The value of the fuse is indicated on the
pin face of the plug. If it requires replacing, a fuse approved to
BS1362 of the same rating must be used.

Never use the plug with the fuse cover omitted if the cover is
detachable. If a replacement fuse cover is required, it must be
of the same colour as the pin face of the plug.
Replacement covers are available from your dealer.

If the fitted plug is not suitable for the power points in your
house or the cable is not long enough to reach a power point,
you should obtain a suitable safety approved extension lead or
consult your dealer for assistance.

However, if there is no alternative to cutting off the plug,
remove the fuse and then safely dispose of the plug.
Do not connect the plug to a mains socket, as there is a risk of
shock hazard from the bared flexible cord.

### IMPORTANT
The wires in the mains lead are coloured in accordance with
the following code: -

BLUE = NEUTRAL          BROWN = LIVE

As these colours may not correspond with the coloured
markings identifying the terminals in your plug, proceed as
follows: -

The wire coloured BLUE must be connected to the terminal
marked with the letter N or coloured BLUE or BLACK. The wire
coloured BROWN must be connected to the terminal marked
with the letter L or coloured BROWN or RED.

WARNING : DO NOT CONNECT EITHER WIRE TO THE
EARTH TERMINAL WHICH IS MARKED WITH THE LETTER
E OR BY THE EARTH SYMBOL ⏚, OR COLOURED
GREEN OR GREEN AND YELLOW.

---

⚡ **DANGER**

This symbol is intended to alert you to the presence of
dangerous voltage within the product.

⚠️ **CAUTION**

This symbol is intended to alert you to the presence of
important instructions accompanying the product.
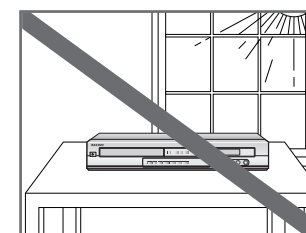
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# Safety Instructions

*The following illustrations represent precautions.*

⚡ *The lightning bolt is a warning sign alerting you to dangerous voltage inside the product.
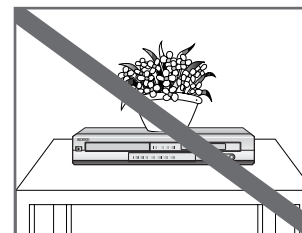DO NOT OPEN THE DHR. Refer to service personnel.*
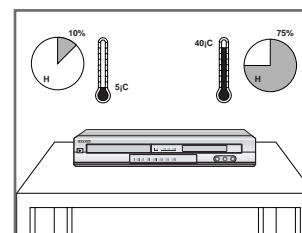


Do NOT expose the **DHR** to
extreme temperature condi-
tions (below 5°C and above
40°C) or to extreme humidity
conditions (less than 10% and
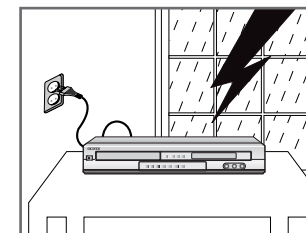more than 75%).



Do NOT expose the **DHR** to
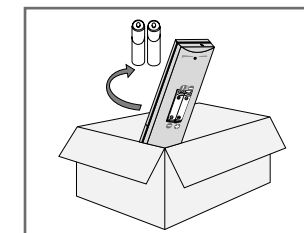direct sunlight.
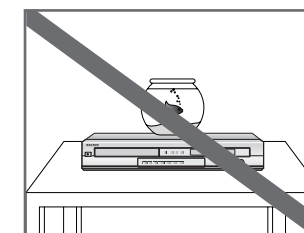


Do NOT expose the **DHR** to
any liquids.



Do NOT place any objects on
the **DHR** or remote control.



During a storm and/or light-
ning, unplug the **DHR** from the
mains jack and aerial.



If the remote control is not
used for a long period of time,
remove the batteries and store
it in a cool, dry place.

THIS DEVICE IS NOT FOR USE IN INDUSTRIAL
ENVIRONMENTS

*1. Digital Video Recording.*

*2. Recorded Program List.*

*3. Highlight Play.*

*4. Editing Recorded Video.*

*5. DVD, CD, VCD, MP3, Photo CD Play.*

*6. Digital Audio Juke Box.*

*7. Family Photo Album.*

*8. Connection with DVC, VCR or STB.*

### *1. Digital Video Recording*

" **Instant recording** " of TV program by pushing one button.
Unlike VCR, it provides consumer to record TV program instantly by touching record button on the remote.

" **Live TV Pause** " guarantees consumer not to miss a single
TV scene.
This function allows consumer who is watching TV program
to work on other stuffs without missing a single scene.

" **High Quality Video recording** " from TV DVD (VCD), DVC and
STB to HDD.
It supports 3 video recording modes at the different bit rates such as SQ (2Mbps / 40h), HQ (4Mbps / 20h)
and SHQ (6Mbps / 13 hours). It can be stored up to 500 Clips.

" **Live TV Control** " allows you to go back in time axes and experience what you missed on the live TV
broadcasting.
Simply press the Pause button ( ¤ ll ) when you leave and when you return, DVD-H40 will instantly replay
what you missed while you were away.
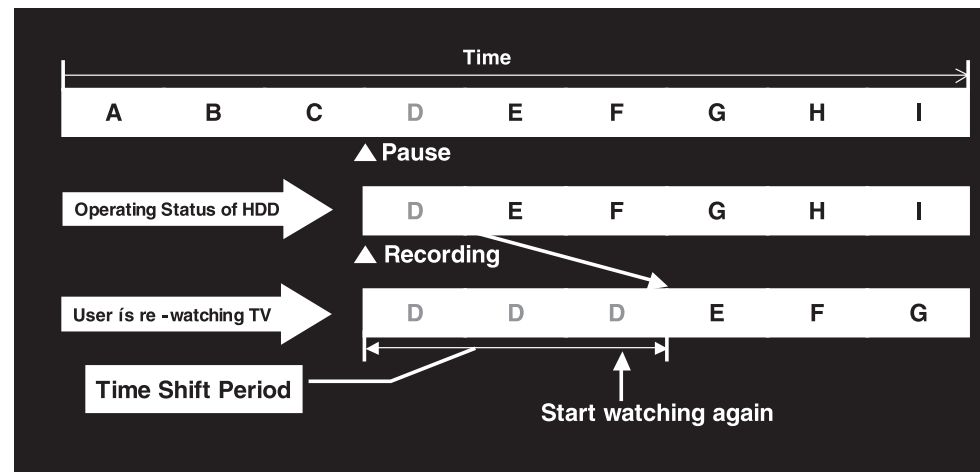
### *2. Recorded Program List*

• If customer record the video program, **" Program List "** will be generated automatically for easy
understanding of the recorded program.

• This program list includes **"Title Name"**, **"Date"** and **"Length"**. Title name can be changed by the
**"Title Insert Function"**. Date and length information are automatically generated.

**Thumbnail picture of the
first clip will be displayed.**

**Every necessary keys for operating
the current menu screen are also
arranged in this bottom area with
icons and instructions.**



### *3. Highlight Play*

• At the program list, if you push **" P – List "** button on the remote,  you can preview the highlight of selected
video program like as you can see in the start part of the movie for introducing the next coming movie.



### *4. Editing the Recorded Video Program*

• Samsung  DVD-H40 will offer the fun to generate his own video program by himself.
• User can combine 2 or more video programs as a one video program.

**shows the  selected file information**

### *4. Editing the Recorded Video Program*

• DVD-H40 can divide selected video program as 2 or more programs.

**< start position >**
**1. Pressing enter button, then division will start**
**2. Color will be changed. (White -> Blue)**

**< end position >**
**1. Pressing enter button, then division will start**
**2. Color will be changed. (Blue->White)**
**3. Create sub-picture**

**1. playing picture ( I frame )**
**2. FPS, RPS, pause keys can be used**

Divide

Execute

**divided File**   **Current position**   **White bar File length**

Instructions    ◀♦▶Move
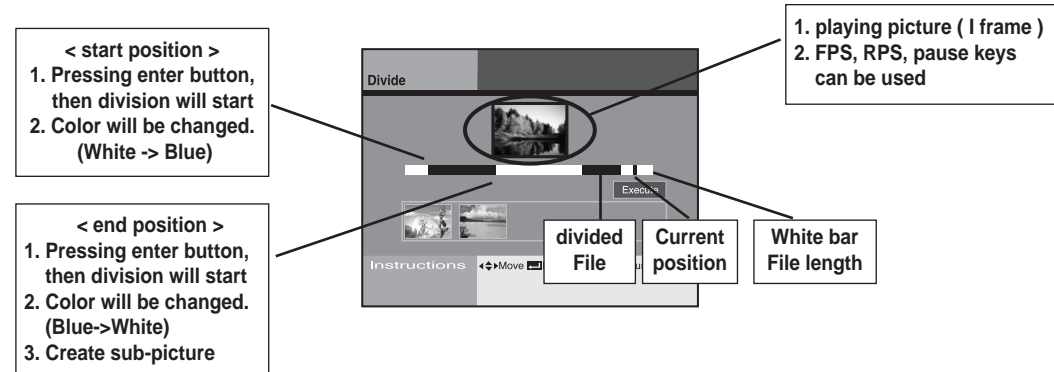
• DVD-H40 can delete unnecessary video programs.
• Even partial deletion of selected video program is possible.

**Selected file enter key, then display pop-up menu for delete option**

Delete

Play List

Name : Ant                Date : 02.05.02  05:02

Instructions    ◀♦▶Move  ⏎Enter  ⊚Return  Menu Exit
                ◀◆▶Prev/Next Page
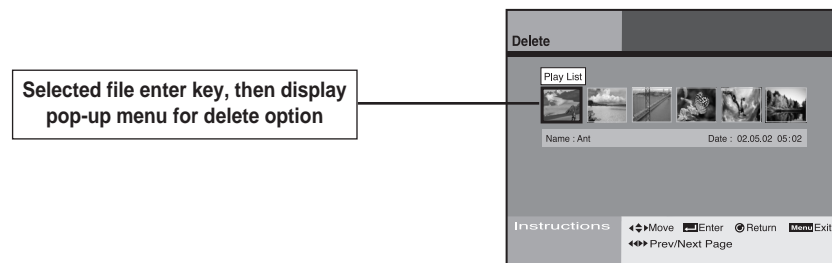
### *5. DVD, CD, VCD, MP3, Photo CD Play*

• DVD-H40 can play many kinds of discs like as **DVD**, **Audio CD**, **Video CD**, **MP3 (CD-R/RW)**, **Photo CD (Kodak)**, **CD-G**, etc.
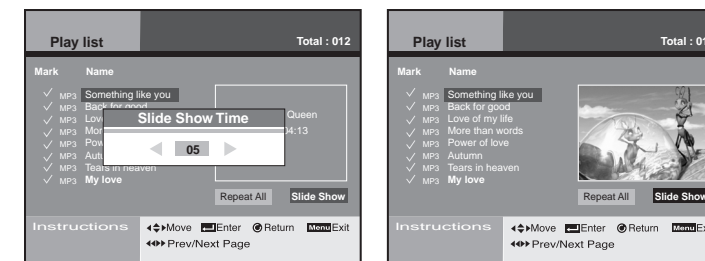
**DVD      Audio CD    Video CD      MP3      Photo CD      CD-G**
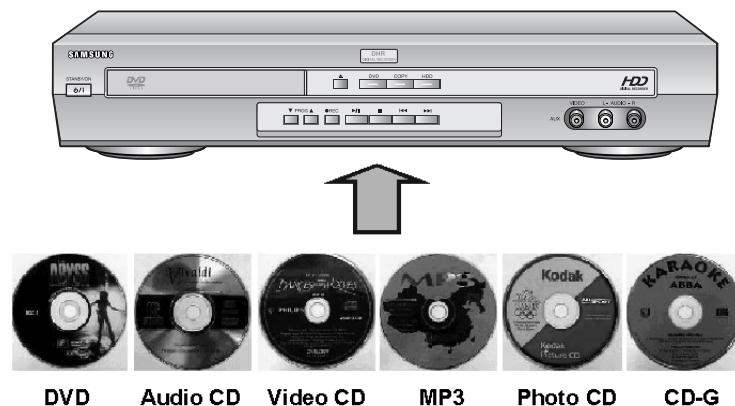
### *6. Digital Audio Jukebox*

• **"Juke box"** enables consumer to enjoy thousands of music in HDD without replacing Audio CD every time. DVD-H40 allows MP3 music from CD to be downloaded into HDD as many as consumer wants. ( Max. capacity of HDD for MP3 : 10GB)

**Indicates selected file**

Copy          📁 Root              Total : 008

Mark    Name
MP3  Something like you        Singer :
MP3  Back for good                Westlife
MP3  Love of my life           Time : 3:05
MP3  More than words
✓ MP3  Power of love
✓ MP3  Autumn
✓ MP3  Tears in heaven          Used : ▮        Free : ▮
✓ MP3  **My love**
                          Select    Clear    Copy to
                           all       all       HDD

Instructions    ◀♦▶Move  ⏎Enter  ⊚Return  Menu Exit
                ◀◆▶Prev/Next Page
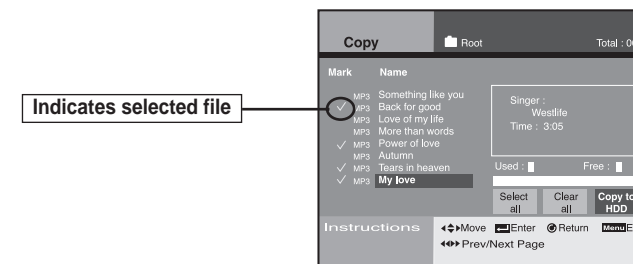
• If user include his/her favorite photos in the same music folder, then user can enjoy the music slide show also.

Play list                    Total : 012

Mark    Name
✓ MP3  Something like you
✓ MP3  Back for good
✓ MP3  Lov                     Queen
✓ MP3  Mor   **Slide Show Time**   4:13
✓ MP3  Pow
✓ MP3  Aut      ◀   **05**   ▶
✓ MP3  Tears in heaven
✓ MP3  **My love**
                    Repeat All    Slide Show

Instructions    ◀♦▶Move  ⏎Enter  ⊚Return  Menu Exit
                ◀◆▶Prev/Next Page

Play list                    Total : 012

Mark    Name
✓ MP3  Something like you
✓ MP3  Back for good
✓ MP3  Love of my life
✓ MP3  More than words
✓ MP3  Power of love
✓ MP3  Autumn
✓ MP3  Tears in heaven
✓ MP3  **My love**
                    Repeat All    Slide Show

Instructions    ◀♦▶Move  ⏎Enter  ⊚Return  Menu Exit
                ◀◆▶Prev/Next Page

• At the edit mode, user can generate his/her own music folder like as "CLASSIC", "JAZZ", "POP SONG" and so on.

Edit          📁 MP3              Total : 777

Mark    Name
📁  **pops**                    Select All
📁  Jazz                        Clear All
✓ MP3  BREAD - IF               Move File
MP3  HEAVEN                     Delete File
✓ MP3  Video Kill the           Make Folder
MP3  CARELESS WHISPER           Rename
✓ MP3  Three Times AL           Delete Folder
MP3  I cant Tell you

Instructions    ◀♦▶Move  ⏎Enter  ⊚Return  Menu Exit
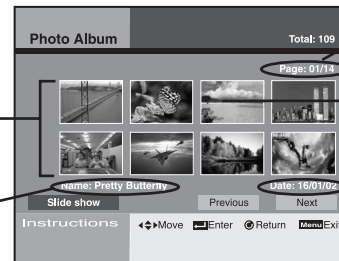                ◀◆▶Prev/Next Page

### *7. Family Photo Album*

• **Enjoy JPEG Images from CD or HDD with easy & user friendly GUI.**
  Up to 10,000 JPEG images (Standard file size 100kbyte) can be saved and edited in HDD.
  It supports Kodak Photo CD format.

**Page indicates number of pages of thumbnails**

**8 Thumbnails per page**

**Navigate between thumbnails using remote control directional buttons**

Photo Album                          Total: 109
Page: 01/14

**Selected photo is highlighted for enlargement.**

**"Enter" on remote control enlarges photo to full screen**

name: Pretty Butterfly          Date: 16/01/02
Slide show          Previous          Next
Instructions          Move  Enter  Return  Menu Exit

**Limited to 20 string**

**Date show when the selected photo was taken**

• **"Viewing Individual Photo"**

• **"Slide Show"**

Photo Album                          Total: 109
Page: 01/14

Slide Show Time
◄   05   ►

Slide show          Previous          Next
Instructions          Move  Enter  Return  Menu Exit
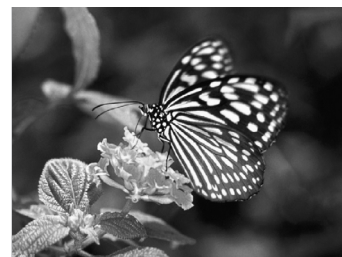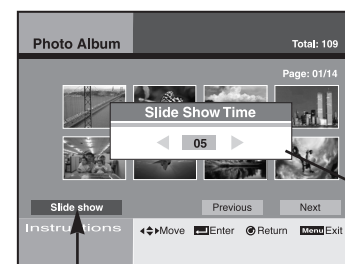
**Time setting range 3 sec ~ 10 sec**

**Pushed "enter" key, then pop-up menu will be display.
After delay time setting, started slide show.**

• **Editing function enables you to select, delete, move or rename your favorite images or photo and make your own directory.**

Edit          Root          Total : 012
Mark          Name
                                    Select All
                                    Clear All
  The Bridge                        Move File
  Pretty Butterfly                  Delete File
  ...berg                           Make Folder
  ...Building                       Rename
  ...and Forest                     Delete Folder
  ...other
  My Friend

**Indicates selected file**
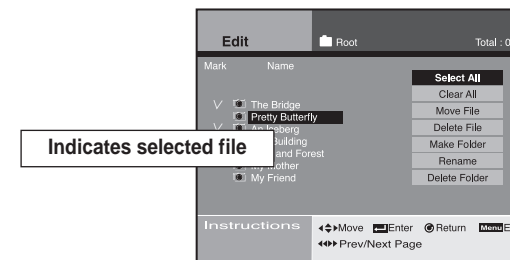
Instructions          Move  Enter  Return  Menu Exit
                      Prev/Next Page

• **User can easily select the photos what he wants to copy from CD to HDD at the below GUI screen.**

Copy          ROOT          Total : 777
          Name
          Sports
          My Family
          Background
  The Bridge
  Pretty Butterfly
  An Iceberg
  The Building          Used :          Free :
  Lake and Forest
  My Mother
  My Friend          Select  Clear  Copy to
                      all    all    HDD
Instructions          Move  Enter  Return  Menu Exit
                      Prev/Next Page
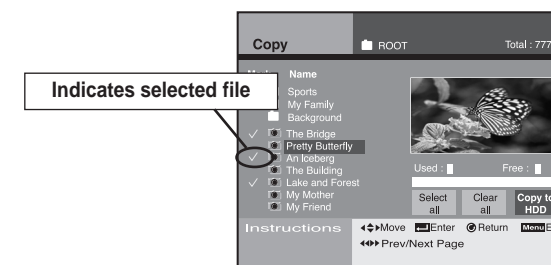
**Indicates selected file**

### *8. Connection to DVC or DSC*

• **Connecting DSC or DVC** through A/V Input port enables to enjoy and edit those video programs simply through TV screen.

**Store /Edit in HDD**

Combine
Play List

Name : Ant          Date : 02.05.07 05: 07
Combine          Execute

Instructions          Move  Enter  Return  Menu Exit
                      Prev/Next Page

**Image from
DVC or DSC**

**Enjoy through TV**
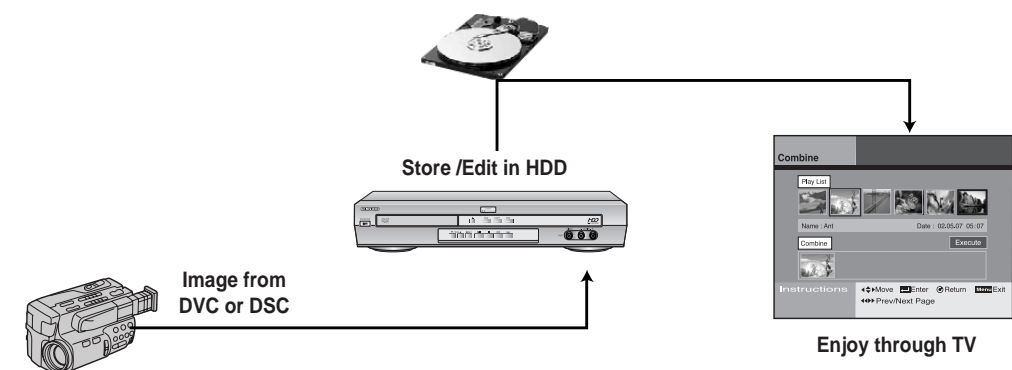
# Contents

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corpration and other rights owners. Use of this copyright protection technology must by authorized by Macrovision Corporized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

## INTRODUCTION

## SET-UP

# Contents (cont.)

## SETUP DHR(DVD HDD Recorder)

### Digital Recorder

### DVD player

### Juke Box

### Photo Album

## OTHERS

## Disc Type and Characteristics

*This DHR player is capable of playing the following types of discs with the corresponding logos :*

| Disc Types (Logos) | Recording Types | Disc Size | Max. Playing Time(files) | Characteristics |
|---|---|---|---|---|
| **DVD** | Audio + Video | 12 Cm | Single-sided 240 min. Double-sided 480 min. | • DVD contains excellent sound and video due to Dolby Digital and MPEG-2 system. • Various screen and audio functions can be easily selected through the on-screen menu. |
| | | 8 Cm | Single-sided 80 min. Double-sided 160 min. | |
| **VIDEO-CD** | Audio + Video | 12 Cm | 74 min. | • Video with CD sound, VHS quality & MPEG-1 compression technology. |
| | | 8 Cm | 20 min. | |
| **AUDIO-CD** | Audio | 12 Cm | 74 min. | • An LP is recorded as an analog signal with more distortion. CD is recorded as a Digital Signal with better audio quality, less distortion and less deterioration of audio quality over time. |
| | | 8 Cm | 20 min. | |
| **CD-R** | Audio + Video | 12 Cm | WAV: 74min MP3: about 150 JPG: up to file size | • Permanent data storage - cannot be erased or over written. • Storing music, images, photos. |
| | | 8 Cm | WAV: 20min MP3: about 60 JPG: up to file size | |
| **CD-RW** | Audio + Video | 12 Cm | WAV: 74min MP3: about 150 JPG: up to file size | • Record and rewrite up to 1000 times and can be read indefinitely |
| | | 8 Cm | WAV: 20min MP3: about 60 JPG: up to file size | |

➤ * Discs which cannot be played with this player:
- • DVD-ROM
- • CD-ROM
- • CDI
- • HD layer of super Audio CD
- • CDGs play audio only, not graphics.
- • DVD-RAM
- • CDV

\* Ability to play back may depend on recording conditions:
- • DVD-R, +R
- • DVD+RW, -RW
- • CD-RW
- • Photo CD : JPG file

## MP3 Play (CD-R MP3 disc requirements)

*When playing CD-R/RW discs, please follow the recommendations below:*

• **Your MP3 files should be ISO 9660 or JOLIET format.**
ISO 9660 format and JOLIET MP3 files are compatible with Microsoft's DOS and Windows, and with Apple's Mac. These two formats are the most widely used.

• **When naming your MP3 files do not exceed 15 characters, and place ".mp3" as the file extension.**
General name format of: Title.mp3. When composing your title, make sure that you use 15 characters or less.

• **Use a decompression transfer rate of at least 128 Kbps when recording MP3 files.**
Sound quality with MP3 files basically depends on the rate of compression/decompression you choose. Getting audio CD quality sound requires an analog/digital sampling rate (conversion to MP3 format) of at least 128 Kbps and up to 160 Kbps. However, choosing higher rates, like 192 Kbps or more, only rarely give better sound quality. Conversely, files with sampling rates below 128 Kbps will not be played properly.

• **Do not try recording copyright protected MP3 files.**
Certain "secured" files are encrypted and code protected to prevent illegal copying. These files are of the following types: Windows Media™ (registered trade mark of Microsoft Inc) and SDMI™ (registered trade mark of The SDMI Foundation). You cannot copy such files.

### Disc Markings
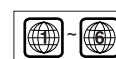
• Playback Region Number
Both the **DHR** player and the discs are coded by region. These regional codes must match in order for the disc to play. If the codes do not match, the disk will not be played.
**The Region Number for this player is described on the rear panel of the player.**

**PAL** • PAL colour system in U.K, France, Germany, Australia, etc.

**NTSC** • NTSC broadcast system in USA, Canada, Japan, South Korea, etc.

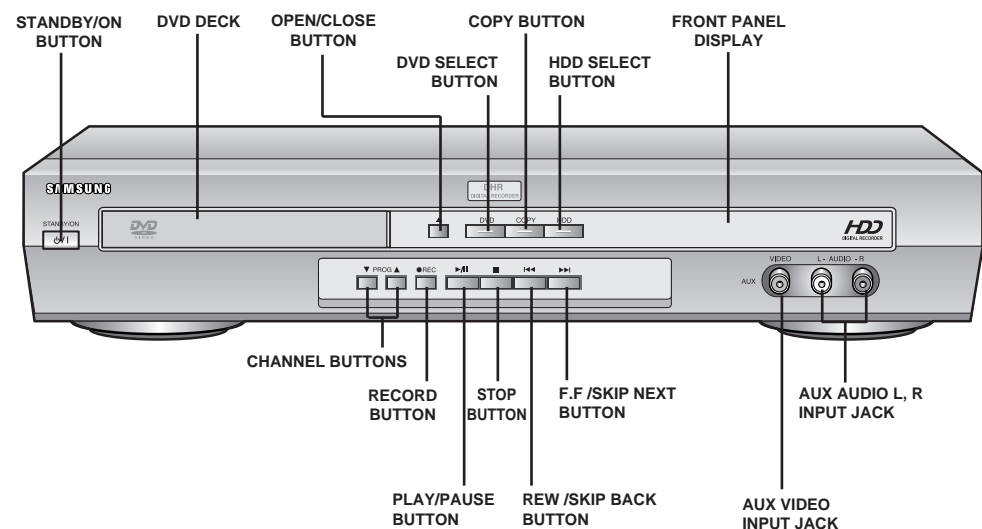**DOLBY DIGITAL** • Dolby Digital disc

**STEREO** • Stereo disc

**DIGITAL SOUND** • Digital Audio disc

**dts** • DTS disc

## Front View of the DHR(DVD HDD Recorder)

STANDBY/ON BUTTON

DVD DECK

OPEN/CLOSE BUTTON

DVD SELECT BUTTON

COPY BUTTON

HDD SELECT BUTTON

FRONT PANEL DISPLAY

SAMSUNG

CHANNEL BUTTONS

RECORD BUTTON

STOP BUTTON

F.F /SKIP NEXT BUTTON

AUX AUDIO L, R INPUT JACK

PLAY/PAUSE BUTTON

REW /SKIP BACK BUTTON

AUX VIDEO INPUT JACK

## Rear View of the DHR(DVD HDD Recorder)

AERIAL IN CONNECTOR

AV2 (DEC./EXT.) SCART (EURO-21) JACK

S-VIDEO IN JACK

AUDIO L, R IN JACKS

DIGITAL AUDIO OUT JACK (OPTICAL)

DIGITAL AUDIO OUT JACK (COAXIAL)

S-VIDEO OUT JACK

VIDEO OUT2 JACK

OUT TO TV CONNECTOR

AV1 (EURO AV) IN/OUT SCART (EURO-21) JACK

AUDIO L, R OUT2 JACKS

## Display Indicators

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

DVD   SVCDVD JPEG MP3   3D LPCM   dts   Digital   NICAM V/P   SHQ   HDD

| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |

**1** DVD Deck mode indicator
**2** Disc type indicator
**3** JPEG file indicator
**4** MP3 file indicator
**5** The time, current position, time remaining or current status is displayed
**6** A Timer Recording is programmed or in progress.
**7** STEREO indicator
**8** HDD mode indicator
**9** DVD disc is active
**10** 3D Sound is active

**11** A DVD with a DTS soundtrack is loaded
**12** LPCM type indicator
**13** Dolby digital indicator
**14** NICAM is active
**15** Recording Quality indicator
**16** VPS/PDC indicator
**17** HDD is active

## Accessaries

*You have just purchased a SAMSUNG DHR.*
*Together with your DHR, you will find the following accessaries in the box.*

| REMOTE CONTROL & BATTERIES | AUDIO & VIDEO CABLE | USER'S MANUAL | SCART CABLE | S-VIDEO CABLE | COAXIAL CABLE |
|---|---|---|---|---|---|
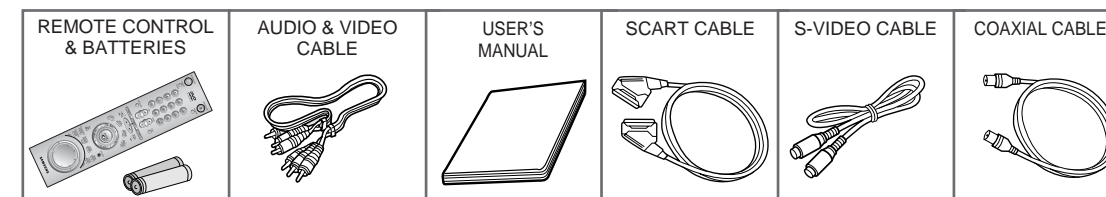
## Infrared Remote Control

**1** STANDBY/ON button

**2** ZOOM/TV MUTE button

**3** 0~9 button

**4** 3D button

**5** VOLUME +/ - button

**6** INPUT SELECT button

**7** DVD button

**8** REVERSE PICTURE SEARCH/SKIP
PREVIOUS button

**9** STOP button

**10** MENU button

**11** CLEAR button

**12** ENTER/DIRECTION button

**13** RECORD button

**14** TITLE/SPEED button

**15** DISC MENU button

**16** SUBTITLE/TIMER button

**17** OPEN/CLOSE button

**18** TV/DHR button

**19** REPEAT A-B button

**20** PROGRAM button

**21** TEXT button

**22** TV button

**23** HDD button

**24** FORWARD PICTURE SEARCH/
SKIP NEXT button

**25** PLAY/PAUSE button

**26** DISPLAY button

**27** PLAY LIST button

**28** RETURN button

**29** MARK button

**30** ANGLE button

**31** AUDIO button

**32** JOG/SHUTTLE
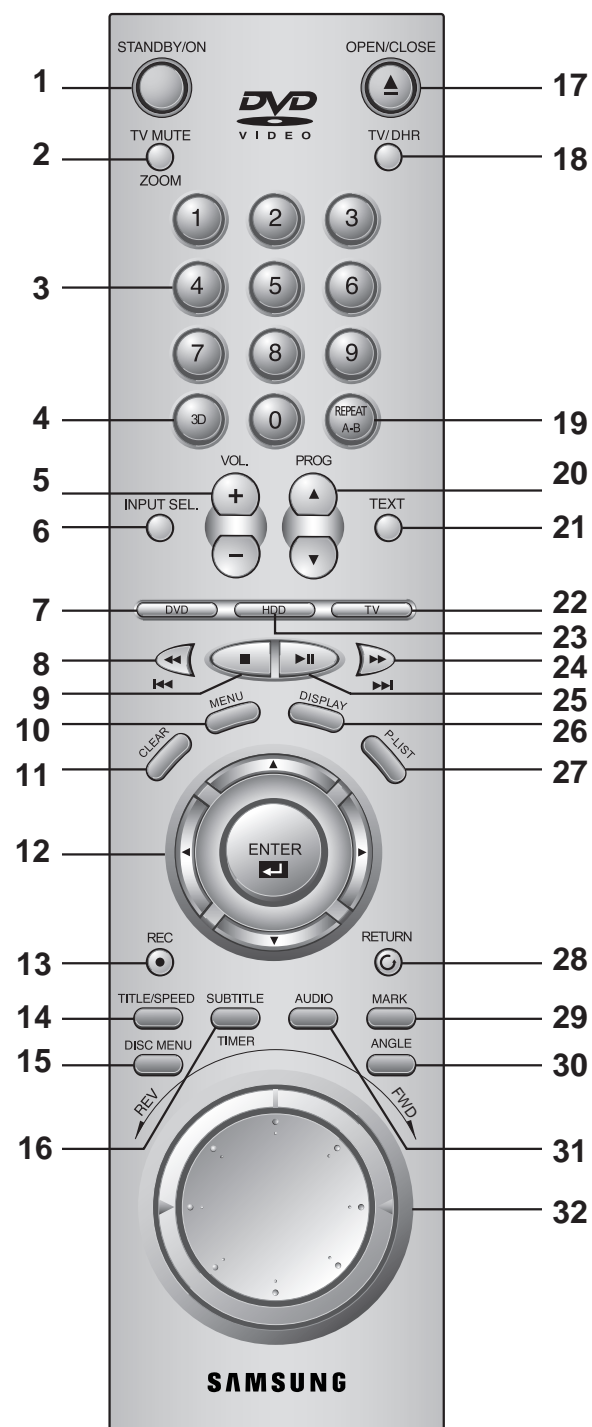
## Inserting Batteries in the Remote Control

*You must insert or replace the batteries in the remote control when you:*

◆ *Purchase the DHR*

◆ *Find that the remote control is no longer working correctly*

**1** Push the tab in the direction of the arrow to release the battery compartment cover on the rear of the remote control.

**2** Insert two AA, R6 or equivalent batteries, taking care to respect the polarities:
◆ + on the battery with + on the remote control
◆ – on the battery with – on the remote control

**3** Replace the cover by aligning it with the base of the remote control and pushing it back into place.

➤ Do not mix different battery types (manganese and alkaline for example).
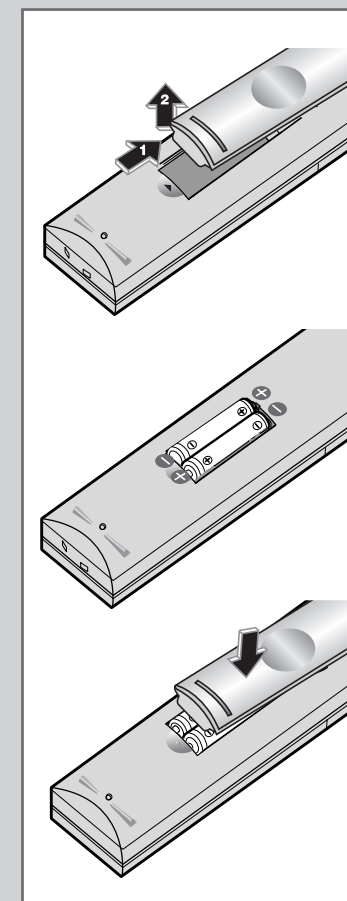
## Deciding How to Connect DHR(DVD HDD Recorder)

*You must take into account various factors when connecting audio or video systems:*

◆ *Types of connectors available on your systems*
◆ *Systems connected permanently to the DHR (satellite receiver for example) or temporarily (camcorder for example)*

*Your DHR is equipped with the following connectors.*

| Connector | Location | Type | Direction | Recommended Use |
|---|---|---|---|---|
| AV1 (EURO AV) | Rear | SCART | In/Out | ◆ Television |
| AV2 | Rear | SCART | In/Out | ◆ Satellite receiver<br>◆ CANAL/DECODER<br>◆ Other VCR/DVD |
| Audio input | Rear | Audio RCA | In | ◆ Audio in for S-VIDEO |
| S-VIDEO input | Rear | S-JACK | In | ◆ S-Video in |
| Audio output | Rear | Audio RCA | Out | ◆ LINE Audio out |
| VIDEO output | Rear | RCA | Out | ◆ LINE Video out |
| S-VIDEO output | Rear | S-JACK | Out | ◆ S-Video out |
| Digital AUDIO output | Rear | Optical<br><br>Coaxial | Out | ◆ Digital Audio out |
| OUT TO TV | Rear | 75 Ω<br>Coaxial | Out | ◆ Television |
| IN FROM ANT. | Rear | 75 Ω<br>Coaxial | In | ◆ Aerial<br>◆ Cable television network<br>◆ Satellite receiver |

☞ Whenever you connect an audio or video system to your **DHR**, ensure that <u>all</u> elements are switched <u>off</u>.
Refer to the documentation supplied with your equipment for detailed connection instructions and associated safety precautions.

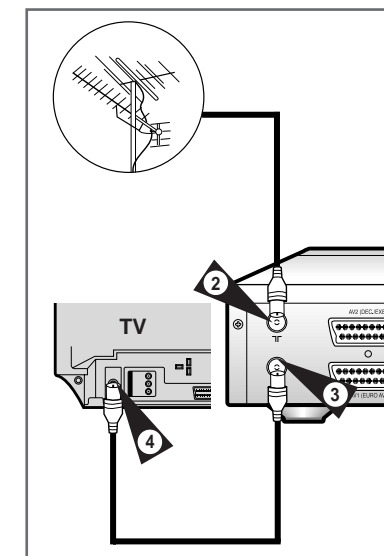## Connecting DHR(DVD HDD Recorder) to the TV using the Coaxial Cable

*To receive television programs a signal must be received from one of the following sources:*

◆ *An outdoor aerial*
◆ *An indoor aerial*
◆ *A cable television network*
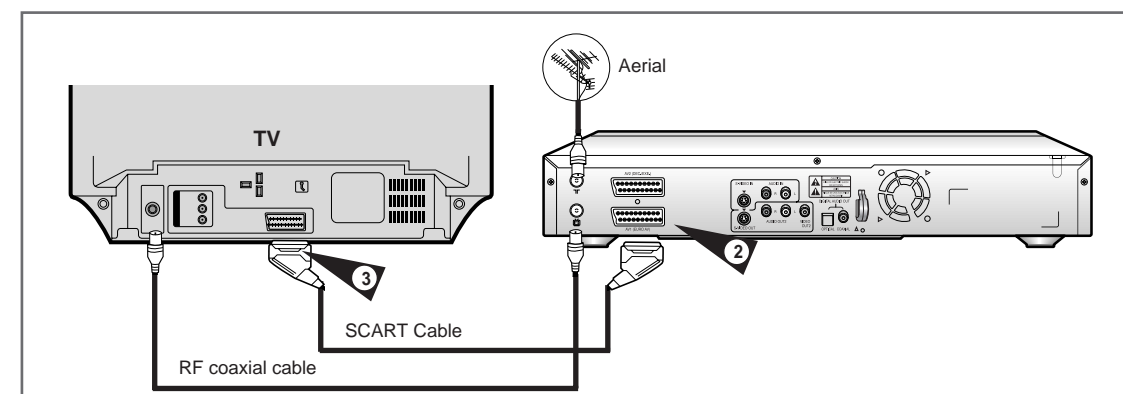◆ *A satellite receiver*

➢ Make sure that both the television and the **DHR** are switched <u>off</u> before connecting the cables.

**1** Remove the aerial or network input cable from the television.

**2** Connect this cable to the 75Ω coaxial jack marked ⊓⊏ on the rear of your **DHR**.

**3** Plug the coaxial cable supplied into the [TV] jack on your **DHR**.

**4** Plug the other end of the coaxial cable into the connector previously used for the aerial on the television.

**5** To obtain better quality pictures and sound on your television, you can also connect your **DHR** to the television via the RCA cable (see section below) if your television is equipped with this type of connection.

## Connecting DHR(DVD HDD Recorder) to the TV using the SCART Cable

TV

Aerial

SCART Cable

RF coaxial cable

*You can connect your DHR to the television using the SCART cable if the appropriate input is available on the television. You thus:*

◆ *Obtain better quality sound and pictures*
◆ *Simplify the setting up procedure of your DHR*

➢ ◆ Regardless of the type of connection chosen, you must always connect the coaxial cable supplied. Otherwise, no picture will be visible on the screen when the **DHR** is switched off.

◆ Make sure that both the television and the **DHR** are switched <u>off</u> before connecting the cables.

**1** Connect the coaxial cable as indicated in the above section.

**2** Connect one end of the SCART cable to the AV1 (EURO AV) jack on the rear of the **DHR**.

**3** Plug the other end into the appropriate connector on the television.

## Connecting DHR(DVD HDD Recorder) to a Satellite Receiver or Other Equipment

*You can connect your DHR to a Satellite receiver or other DHR using the SCART cable if the appropriate outputs are available on the equipment chosen. The following illustrations give a few examples of the connection possibilities.*

### 1. AV2 IN: By means of 21-pin Scart Cable

Plug the SCART Cable with satellite receiver or other equipment into the AV2 (DEC./EXT.) jack on the rear of the **DHR**. After making this connection, select the source by pressing the INPUT SEL. button for the AV2 input sources.

### 2. By means of RF Coaxial Cable

After making this connection, you must preset the station received through the satellite tuner.
RF output channel of the satellite receiver should be adjusted away from channel 36, which is used by the **DHR**, e.g. re-adjust to channel 39.



Aerial

Satellite Receiver or other Equipment

Aerial Connector

RF coaxial cable

SCART Cable
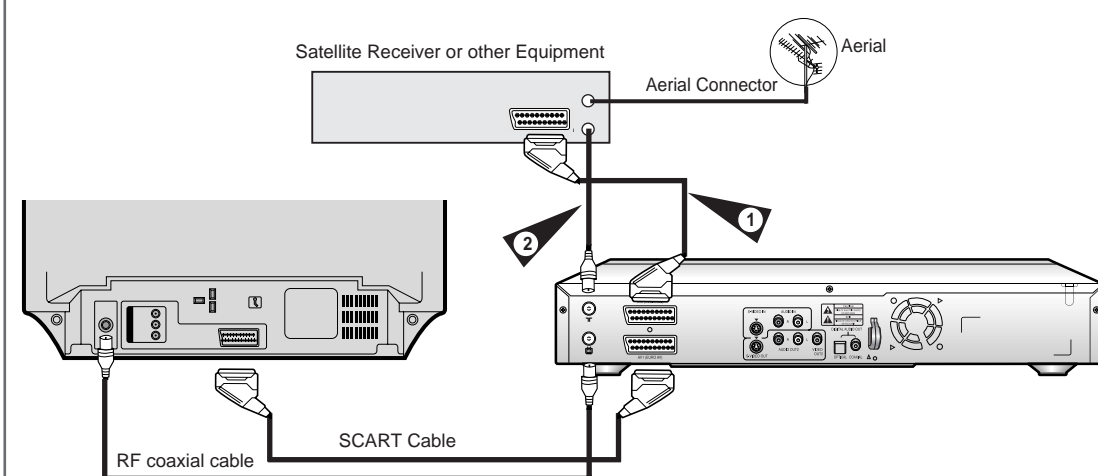
## Using the TV Button on the Remote Control

*Your DHR remote control will work with Samsung televisions and compatible brands.*

To determine whether your television is compatible, follow the instructions below.

**1**   **Switch your television on.**

**2**   **Point the remote control towards the television.**

**3**   Hold down the TV button and enter the two-figure code corresponding to the brand of your television, by pressing the appropriate numeric buttons.



| Brand | Codes | Brand | Codes |
|-------|-------|-------|-------|
| SAMSUNG | 01 to 06 | PHILIPS | 02, 20, 22 |
| AKAI | 09, 23 | SABA | 13, 14, 22 to 24 |
| GRUNDIG | 09, 17, 21 | SONY | 15, 16 |
| LOEWE | 02 | THOMSON | 13, 14, 24 |
| PANASONIC | 08, 23 to 27 | TOSHIBA | 07, 16 to 19, 21 |

• If your television is compatible with the remote control, it will be switched off. It is now programmed to operate with the remote control.

➤   ◆ *If several codes are indicated for your television brand, try each one in turn until you find one that works.*

   ◆ *When you change the batteries in the remote control, you must reprogram the code, following the same procedure.*

**You can control the television using the following buttons.**

| Button | Function |
|--------|----------|
| STANDBY/ON | Used to switch the television on and off. |
| INPUT SEL. | Used to select an external source. |
| VOL. + or - | Used to adjust the volume of the television. |
| PROG. Up or Down | Used to select the required channel. |
| TV MUTE | Used to toggle the sound on and off. |

➤   *The various functions will not necessarily work on all televisions. If you encounter problems, operate the television directly.*

## Basic Connections/Auto Setup



from antenna
or cable



To TV's
Antenna Input
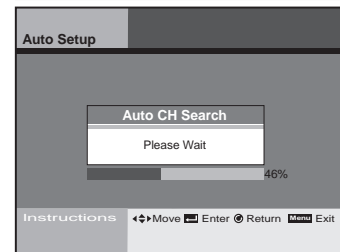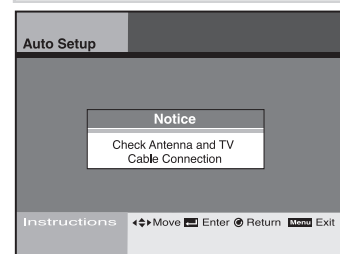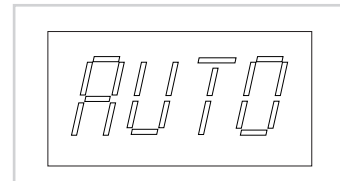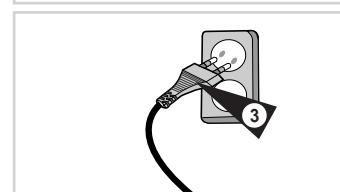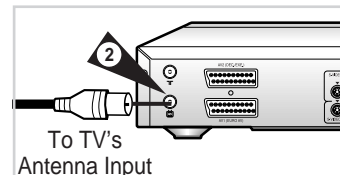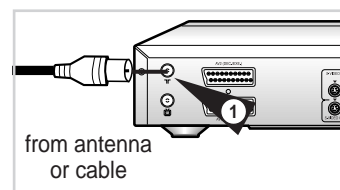




*In this section, you will connect the DHR to your television and run Auto Setup, which automatically searches for channels and sets the player's internal clock.*

**1**   **Connect the RF antenna cable from your indoor/outdoor antenna or cable wall outlet to the IN(FROM ANT.) jack on the rear panel of the DHR.**

**2**   **Choose one of the following methods to connect the DHR to your TV:**

   **RF Connection**:
   Connect the supplied RF antenna cable from the OUT(TO TV) jack on the rear panel of the DHR to your television's Antenna Input.

   **Line Connection**:
   Connect an RCA-type audio/video cable(red, white, yellow) from the LINE OUT jacks on the rear panel of the DHR to your television's Line In jacks.
   Use red for right audio, white for left audio, and yellow for video.

➤   *It is recommended that you use the Line Connection if your TV is equipped with RCA jacks.*

**3**   **Connect the DHR power cord to a standard 110~240V/50Hz wall outlet. Then power is automatically turned on.**
   • Don't press any buttons on the DHR or remote during auto setup. "AUTO" blinks while the DHR runs an auto setup procedure, where it will automatically search for all active channels.
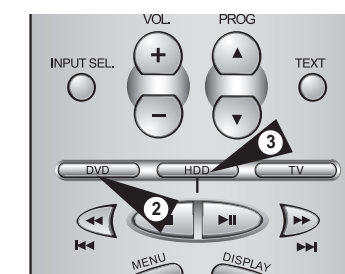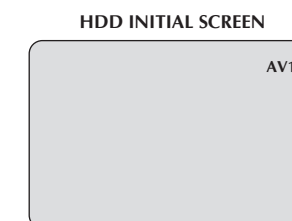
**4**   **Press the STANDBY/ON button on your TV.**

**5**   **Set TV to Channel 21~69 or AV.**
   **Be sure to use the same channel you selected.**

➤   ◆ *Even if you plan to use the S-Video Output, you MUST connect the DHR to your television with either the standard RF or the AV Out connection.*
   *This enables you to operate the DHR setup menu.*

---

## DVD/HDD View

*The DHR uses one set of controls to operate DVD & HDD. The following buttons are helpful in successfully controlling each one.*

**1**   **Press the STANDBY/ON button on the remote control or the front panel to turn on the DHR.**

**2**   **Press the DVD button on the remote control or on the front panel when you want to control the DVD deck.**
   • The DVD indicator will light on the Front Panel Display to show that the DVD deck is selected.

**3**   **Press again the HDD button on the remote control or on the front panel when you want to control the HDD.**
   • The HDD indicator will light on the Front Panel Display to show that the HDD is selected.



DVD INITIAL SCREEN          HDD INITIAL SCREEN

LOADING                              AV1

SAMSUNG DIGIT*all*
everyone's invited™

---

## Basic DVD Playback

*Follow these instructions to playback a DVD.*

**1**   **Open disc drawer.**
   • Press the Open/Close button on the remote control or front panel.

**2**   **Insert disc.**
   • Place the disc in the drawer with the label side of the disc facing up. If the disc has two sides, orient the disc with the desired label facing up.

**3**   **Close disc drawer.**
   • Press the Open/Close button on the remote control or front panel to close the disc drawer.

**4**   **Press the ¤ II(Play/Pause) button on the remote control or front panel.**
   • Many discs will begin playback automatically when the disc drawer closes.
   • If the DVD has a disc menu, or more than one title, the disc menu may appear.

**5**   **Additional DVD options.**
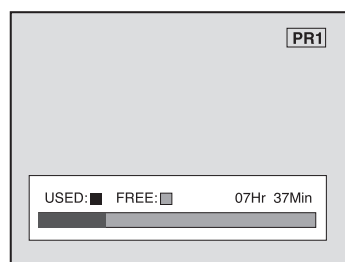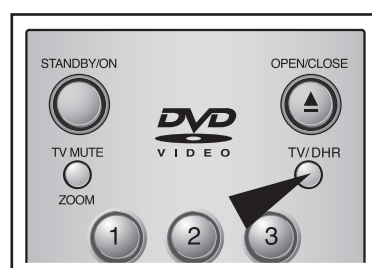
   • See pages 45~56.
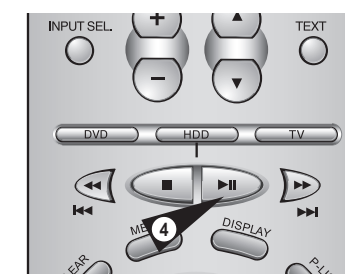
## Basic TV Tuner Operations

**1    Press the PROG. „      buttons.**
   • Press to change to the next or previous channel.

**2    Press the 0~9 buttons.**
   • Press to select channels directly.

**3    Press the DISPLAY button.**
   • Display the channel's information you are watching.

➤    ◆ *When you press the TV/DHR button, you will be taken directly to the screen of the AV device connected to the AV2.*
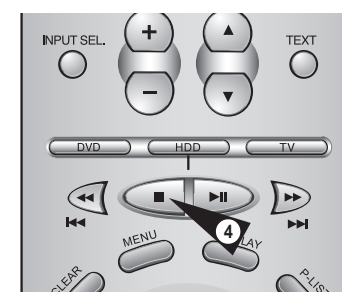
## Playing a Disc

**1    Press the OPEN/CLOSE button.**
   • The STANDBY indicator light is on and the tray opens.

**2    Place a disc gently into the tray with the disc's label facing up.**

**3    Press the PLAY/PAUSE button to start play.**
   • When a conventional Audio CD (CDDA) is inserted, it is automatically played back as the File List is displayed on the screen. For MP3 or Photo CDs, a desired file must be selected for playback once the File List is displayed on the screen.

**4    Press the STOP button to stop play.**

➤    ◆ *When you stop disc play, the player remembers where you stopped, so when you press PLAY again, it will pick up where you left off (unless the disc is removed, the STOP button is pressed twice or the player is unplugged.). This function works only when playing DVD video.*

◆ *To listen to the next song, press and briefly hold down the Forward (¤¤ ) button.*

◆ *If there are more than 8 files on the disc, press the ˆˆ Previous or ¤¤ Next button to view additional pages in units of 8 contiguous files.*

**Menu**

| | |
|---|---|
| ❖ Digital Recorder | ▷ Language |
| ❖ DVD Player | ▷ Channel |
| ❖ Juke Box | ▷ Clock Setting |
| ❖ Photo Album | ▷ Buffer Time |
| ❖ Set-Up | ▷ Audio Options |
| | ▷ Display Options |
| | ▷ HDD Format |

Instructions ◀♦▶Move 🔲 Enter ⊙ Return Menu Exit

*You can setup about special functions of DHR.*

## Change set language

You can select Menu language.
see page 27

## Set the TV channel

You can set air/cable TV channel in manual or automatically.
see page 28

## Set the clock

You can adjust clock on front panel display.
see page 29

## Set the time-shift buffering time

You can select buffer time for time shift feature
see page 29

## Set the output audio option

You can select audio option depends on audio system you have.
see page 30

## Set the display option

You can select display option fit to your taste.
see page 31

## HDD Format

You can erase all data or change system format in HDD.
see page 32

⚠ *Turn the power off and on again when the DHR works abnormal by sudden power off, plug off or not supported files, broken files in HDD.*

*– Abnormal working case : no key input except Standby/On button, flickering display panel.*

*– Supported files in DHR : MP3, JPG.*

*You can select menu language.*

**1**    Press the MENU button.

**2**    Select Set-Up using „ buttons, then press the ENTER or ¤ buttons.

**3**    Select Language using „ buttons, then press the ENTER or ¤ buttons.

**4**    Select language you want to change using „ buttons, then press the ENTER or ¤ buttons.
• Main menu language would be changed to selected language.

**Menu**

| | |
|---|---|
| ❖ Digital Recorder | |
| ❖ DVD Player | |
| ❖ Juke Box | |
| ❖ Photo Album | |
| ❖ Set-Up | |

Instructions ◀♦▶Move 🔲 Enter ⊙ Return Menu Exit

**Menu**

| | |
|---|---|
| ❖ Digital Recorder | ▷ Language |
| ❖ DVD Player | ▷ Channel |
| ❖ Juke Box | ▷ Clock Setting |
| ❖ Photo Album | ▷ Buffer Time |
| ❖ Set-Up | ▷ Audio Options |
| | ▷ Display Options |
| | ▷ HDD Format |

Instructions ◀♦▶Move 🔲 Enter ⊙ Return Menu Exit

**Menu**

| | | |
|---|---|---|
| ❖ Digital Recorder | ▷ Language | ↵ English |
| ❖ DVD Player | ▷ Channel | • Francais |
| ❖ Juke Box | ▷ Clock Setting | • Deutsch |
| ❖ Photo Album | ▷ Buffer Time | • Italiano |
| ❖ Set-Up | ▷ Audio Option | • Espanol |
| | ▷ Display Option | • Nederlands |
| | ▷ HDD Format | |

Instructions ◀♦▶Move 🔲 Enter ⊙ Return Menu Exit
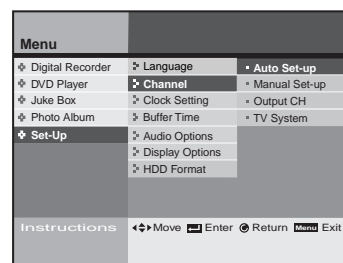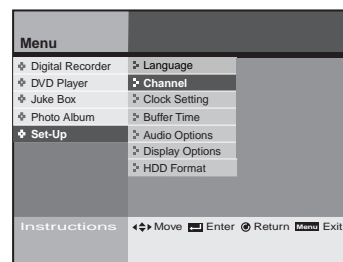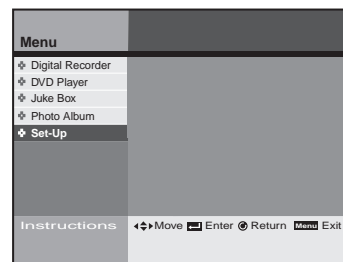
*You can set air/cable TV channel in manual or automatically.*
*Also you can add or remove channels.*

**1　　Press the MENU button.**

**2　　Select Set-Up using 🔻 buttons, then press the ENTER or ¤ buttons.**

**3　　Select Channel using 🔻 buttons, then press the ENTER or ¤ buttons.**

**4　　See below submenu setup.**
**Select mode using 🔻 buttons, then press the ENTER or ¤ buttons.**
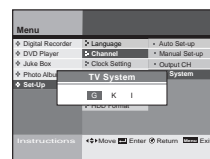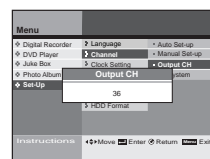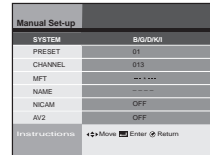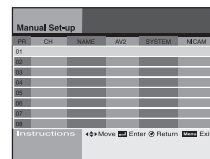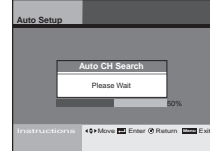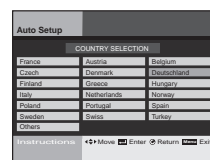


**Auto Set-up**
• The **DHR** will automatically search for all available channels in the selected Tuner Band.
This procedure may take a few minutes to complete.
• When finished, the lowest channel found will be displayed.

**Manual Set-up**
• Search & setup individual channel option in manual
• Set channels using 🔻 ^ ¤ or 0~9 buttons, then press the ENTER button to save.

**Output CH**
• Select output channel to TV tuner.(21 ~ 69CH)
• Set out channel to TV using 🔻 buttons, then press the ENTER button.
• Make sure connect RF coaxial cable between DHR and TV.

**TV System**
• Select system to TV out
• Set TV system using ^ ¤ buttons, then press the ENTER button.

---

*You can adjust present time and see it thru front panel display.*
*To use timer recording, you have to set the clock.*

**1　　Press the MENU button.**

**2　　Select Set-Up using 🔻 buttons, then press the ENTER or ¤ buttons.**

**3　　Select Clock Setting using 🔻 buttons, then press the ENTER or ¤ buttons.**

**4　　Adjust present time using 🔻 ^ ¤ buttons, then press the ENTER button.**
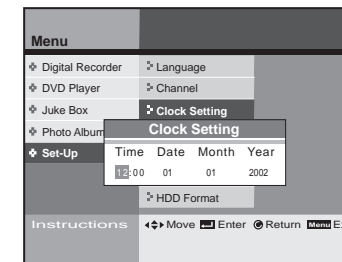
*You never miss live TV programs. DHR memorizes live TV programs for 30 min up to 2 hours.*

**1　　Press the MENU button.**

**2　　Select Set-Up using 🔻 buttons, then press the ENTER or ¤ buttons.**

**3　　Select Buffer Time using 🔻 buttons, then press the ENTER or ¤ buttons.**

**4　　Select hours using 🔻 buttons, then press the ENTER or ¤ buttons.**
• Over the selected buffer time, erased from starting scene of buffer.
• The shorter buffer time will be helpful to save HDD's recording space
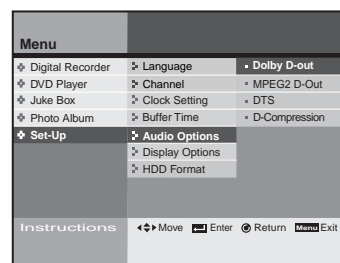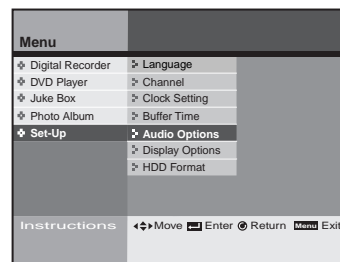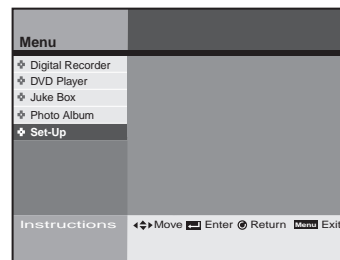• The default buffer time is 1 hour.

➢　　◆ *Press the Return button to move to the start buffered position.*

⚠ *It can be taken a few seconds when the buffer time is changed.*
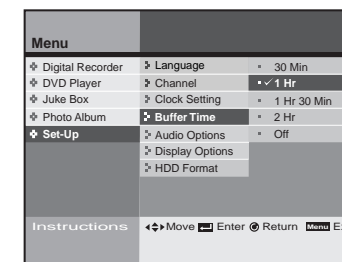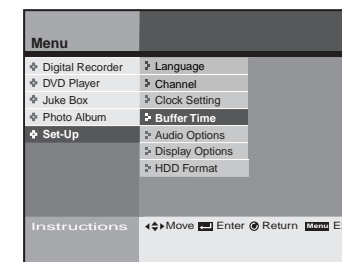
*You can optimize audio status depends on your audio system.*

**1**   **Press the MENU button.**

**2**   **Select Set-Up using „   buttons, then press the ENTER or ¤ buttons.**

**3**   **Select Audio Options using „   buttons, then press the ENTER or ¤ buttons.**

**4**   **See below audio output setup. Select mode using „   buttons, then press the ENTER or ¤ buttons.**
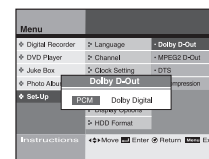


**Dolby D-out**
• PCM : Converts to PCM(2CH) audio. Select PCM when using the analog audio outputs.
• Dolby Digital : Converts to Dolby Digital Bitstream(5.1CH). Select Bitstream when using the digital audio output.
• Be sure to select the correct digital output or no audio will be heard.
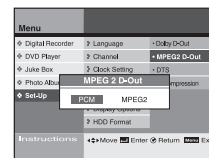


**MPEG 2 D-out**
• This feature supports only disc encoding to MPEG Audio.
• PCM : Converts to PCM(2CH) audio. Select PCM when using the analog audio outputs.
• MPEG 2 : Converts to Dolby Digital Bitstream(5.1CH). Select Bitstream when using the digital audio output.
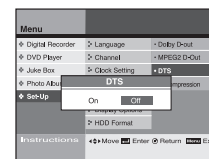


**DTS**
• Off : Does not output digital signal.
• On : Outputs DTS bitstream via digital output only. Select DTS when connecting to a DTS Decoder.
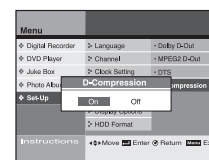


**D-Compression**
• This feature compresses the dynamic range (quietest sound to loudest sound) of a disc's soundtrack. For example, action scenes might be loud, while whispered dialog is quiet. The Dynamic Compression feature evens out the range of the volume by making loud sounds quieter and soft sounds louder.
• Off : To select normal dynamic range.
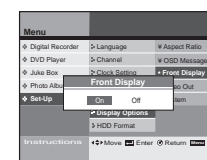• On : To select compressed dynamic range.

---

*You can adjust TV display status.*

**1**   **Press the MENU button.**

**2**   **Select Set-Up using „   buttons, then press the ENTER or ¤ buttons.**

**3**   **Select Display Options using „   buttons, then press the ENTER or ¤ buttons.**

**4**   **Select option to change using „   or ¤ buttons, then press the ENTER.**
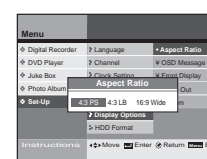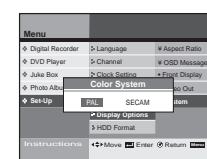




**Aspect ratio**
• 4:3 PS (Pan-Scan) : Select this for conventional size TVs when you want to see the central portion of the 16:9 screen.(Extreme left and right side of movie picture will be cut off.)
• 4:3 LB (Letter Box) : Select when you want to see total 16:9 ratio screen DVD supplies, even though you have a TV with 4:3 ratio screen. Black bars will appear at the top and bottom of the screen.
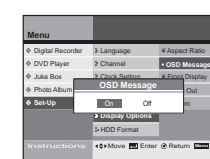• 16:9 Wide : You can view the full 16:9 picture on your widescreen TV.

**OSD Message**
• On : Displays playing status icon or message on screen.
• Off : Not displays playing status icon or message on screen.





**Front Display**
• On : Turn on display panel all the time.
• Off : Turn off display panel all the time.
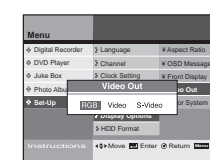
**Video Out**
• RGB
• Video
• S-Video
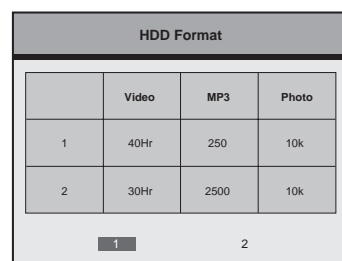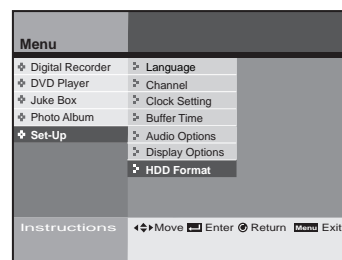


**Color System**
• PAL : Make sure select PAL when you watch PAL program.
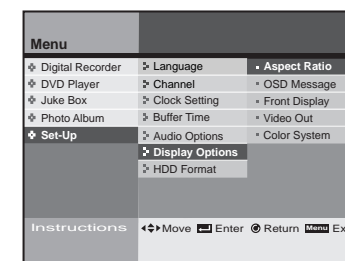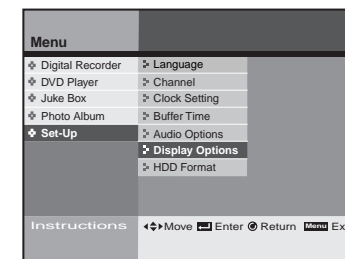• SECAM : Make sure sulect SECAM when you watch SECAM program.

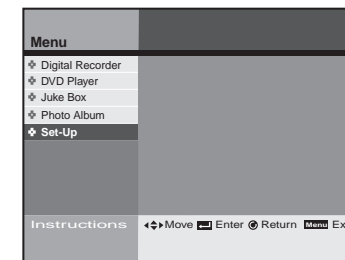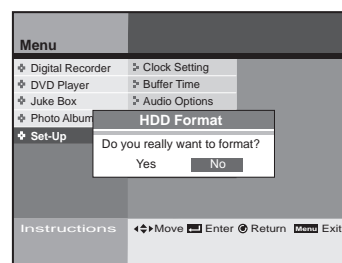*You can erase all data in HDD.*



```
Menu
❖ Digital Recorder    ⯈ Language
❖ DVD Player          ⯈ Channel
❖ Juke Box            ⯈ Clock Setting
❖ Photo Album         ⯈ Buffer Time
❖ Set-Up              ⯈ Audio Options
                      ⯈ Display Options
                      ⯈ HDD Format

Instructions  ◄⯅⯈Move ⏎ Enter ◉ Return Menu Exit
```

**1**  Press the MENU button.

**2**  Select Set-Up using „    buttons, then press the ENTER or ¤ buttons.

**3**  Select HDD Format using „    buttons, then press the ENTER or ¤ buttons.

**4**  Select Format option using ˆ ¤ buttons, then press the ENTER button.
• Option 1 : 40Hours recording (SQ Standard)
        250 MP3 Songs Store (128Kbps, 4min Standard)
        10,000 JPG Images Store
• Option 2 : 30Hours recording (SQ Standard)
        2500 MP3 Songs Store (128Kbps, 4min Standard)
        10,000 JPG Images Store

**HDD Format**

|   | Video | MP3 | Photo |
|---|-------|-----|-------|
| 1 | 40Hr  | 250  | 10k   |
| 2 | 30Hr  | 2500 | 10k   |

| 1 | 2 |

**5**  Select Yes, then press the ENTER button.
• Some options you already setup can be initialized.

**6**  The power will be turned off automatically after formatting the HDD.

```
Menu
❖ Digital Recorder    ⯈ Clock Setting
❖ DVD Player          ⯈ Buffer Time
❖ Juke Box            ⯈ Audio Options
❖ Photo Album    HDD Format
❖ Set-Up
            Do you really want to format?
                  Yes      No

Instructions  ◄⯅⯈Move ⏎ Enter ◉ Return Menu Exit
```

*It has a 40Giga Byte large quantity HDD(Hard Disk Drive).*
*So you can edit saved programs and record in digital format(MPEG2).*

```
Menu
❖ Digital Recorder    ⯈ Program List
❖ DVD Player          ⯈ Parental Lock
❖ Juke Box            ⯈ Edit
❖ Photo Album         ⯈ Recording
❖ Set-Up

Instructions  ◄⯅⯈Move ⏎ Enter ◉ Return Menu Exit
```

### Watch the recorded program in HDD
It shows you recorded program list.

### Set the parental lock
You can lock adult or violent programs for children.

### Edit the recorded program in HDD
You can combine, divide, delete or partial delete saved programs.

### Record TV program
You can record TV programs by timer recording function or Showview.

⚠ *Turn the power off and on again when the DHR works abnormal by sudden power off, plug off or not supported files, broken files in HDD.*

*– Abnormal working case : no key input except Standby/On button, flickering display panel.*

*– Supported files in DHR : MP3, JPG.*